

Preprints

Giordano, R., Broderick, T., “The Bayesian Infinitesimal Jackknife for Variance”. In: *arXiv preprint arXiv:2305.06466* (2023).

Giordano, R., Jordan, M. I., Broderick, T., “A higher-order swiss army infinitesimal jackknife”. In: *arXiv preprint arXiv:1907.12116* (2019).

Under Review

Giordano, R., Ingram, M., Broderick, T., “Black Box Variational Inference with a Deterministic Objective: Faster, More Accurate, and Even More Black Box”. In: *arXiv preprint arXiv:2304.05527* (2023).

Kasprzak, M., **Giordano, R.**, Broderick, T., “How good is your Gaussian approximation of the posterior? Finite-sample computable error bounds for a variety of useful divergences”. In: *arXiv preprint arXiv:2209.14992* (2022).

Published

Berlinghieri, R., Trippe, B., Burt, D., **Giordano, R.**, Srinivasan, K., Özgökmen, T., Xia, J., Broderick, T., “Gaussian processes at the Helm(holtz): A more fluid model for ocean currents”. In: *Proceedings of the 40th International Conference on Machine Learning*. Proceedings of Machine Learning Research. PMLR, 2023.

Giordano, R., Liu, R., Jordan, M. I., Broderick, T., “Evaluating Sensitivity to the Stick-Breaking Prior in Bayesian Nonparametrics (with Discussion)”. In: *Bayesian Analysis* 18.1 (2023), pp. 287–366.

Giordano, R., Stephenson, W., Liu, R., Jordan, M. I., Broderick, T., “A Swiss Army Infinitesimal Jackknife”. In: *The 22nd International Conference on Artificial Intelligence and Statistics*. 2019, pp. 1139–1147.

Giordano, R., Broderick, T., Jordan, M. I., “Covariances, Robustness, and Variational Bayes”. In: *Journal of Machine Learning Research* 19.51 (2018), pp. 1–49. URL: <http://jmlr.org/papers/v19/17-670.html>.

Regier, J., Pamnany, K., Fischer, K., Noack, A., Lam, M., Revels, J., Howard, S., **Giordano, R.**, Schlegel, D., McAuliffe, J., “Cataloging the Visible Universe through Bayesian Inference at Petascale”. In: *2018 IEEE International Parallel and Distributed Processing Symposium (IPDPS)*. IEEE. 2018, pp. 44–53.

Giordano, R., Broderick, T., Jordan, M. I., “Linear response methods for accurate covariance estimates from mean field variational Bayes”. In: *Advances in Neural Information Processing Systems*. 2015, pp. 1441–1449.

Winther, R., **Giordano, R.**, Edge, M., Nielsen, R., “The mind, the lab, and the field: Three kinds of populations in scientific practice”. In: *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 52 (2015), pp. 12–21.